



**NEW LYNNEWOOD
ELEMENTARY SCHOOL**

FOR

THE SCHOOL DISTRICT OF HAVERFORD TOWNSHIP

50 East Eagle Road
Havertown, PA 19083

PUBLIC HEARING IN COMPLIANCE WITH ACT 34

**Wednesday, January 9, 2019
6:00 P.M.**

The Oakmont School Central Administration
Public Board Room
50 East Eagle Road
Havertown, PA 19083

The material contained in this packet is provided to inform all citizens of The School District of Haverford Township on the proposed construction of a new elementary school.

PURPOSE OF THE HEARING

Act 34 of June, 1973, now Section 24 P.S. 701.1 of the Pennsylvania Public School Code, requires that a public hearing be held regarding either the construction of new school buildings or substantial additions to existing school buildings.

The purpose of this Act 34 hearing is to present the proposed construction of a new elementary school to the residents and employees of the District and to provide them with a public forum to express their opinion regarding the project.

If the maximum building construction cost of \$25,583,941 and adopted by Board resolution on December 6, 2018 is exceeded by eight (8) percent upon receipt of bids, a second public hearing will be required.

The hearing is not a public debate. It is an opportunity for the public to learn about the proposed construction projects and for the Board to receive and record comments and observations regarding the project.

AGENDA FOR THE HEARING

1. Opening RemarksJustin M. O'Donoghue, Esq.
School District Counsel
Wisler Pearlstine, LLP
2. Purpose of the Hearing.....Justin M. O'Donoghue, Esq.
3. Procedures for Public Comment.....Justin M. O'Donoghue, Esq.
4. Need for the Project.....Dr. Maureen Reusche
Superintendent
School District of Haverford Township
5. Alternatives Considered.....Mrs. Lynn Blahusch
Owner's Representative
C.B. Development Services, Inc.
6. Project DescriptionsMichael Kelly, AIA
Project Architect
KCBA Architects, Inc
7. Direct Costs for the ProjectsMrs. Lynn Blahusch
8. Indirect Costs for the ProjectsMr. Robert Riegel
Business Manager
School District of Haverford Township
9. Financial Alternatives ConsideredMr. Wesley Hall
PFM Financial Advisors LLC
10. Effect of Project Costs on TaxesMr. Robert Riegel
11. Public CommentJustin M. O'Donoghue, Esq.
12. Adjournment

PROCEDURES FOR PUBLIC COMMENT

The Board of School Directors of The School District of Haverford Township welcomes comments from all District residents and employees who wish to express opinions about the proposed construction project.

In order for the hearing to be of the greatest value and use to the School Board, the following procedures have been established for public comment:

1. **Verbal Presentations at the Hearing.** Verbal presentations will be limited to five (5) minutes per individual. To ensure that time is scheduled on the agenda for an individual presentation, a School District resident or employee should sign his or her name on the register available at the beginning of the hearing.
2. **Written Testimony for the Hearing.** Residents and employees of the School District may submit written testimony regarding the proposed projects no later than 4:00 PM on Wednesday, January 9, 2019. Such written testimony should be mailed or delivered to:

Robert Riegel, Board Secretary
The School District of Haverford Township
50 East Eagle Road
Havertown, PA 19083

The written testimony shall include the name and address of the person submitting the request, identification of the sender as a District resident or employee, name of project of concern and a description of the support or objection to the project. To be of most benefit to the Board, a statement of objection should be followed by a viable alternate solution.

3. **Testimony from the Floor.** Comments from the floor shall be allowed after all who have requested a place on the agenda have completed their testimony. Comments from the floor shall be subject to five (5) minute limit. No person shall be allowed to speak a second time until all parties testifying the first time have been heard.
4. **Items to Address During Verbal Presentation and Testimony from the Floor.** Sign-in sheets will be available at the Public Board Room at the time of the hearing. Counsel will call upon individuals signing such sign-in sheets in the order in which they appear. Individuals should identify themselves by name, address, resident or employee, and present their comments or questions. If objections are raised, it would be beneficial if the individual proposed what should be done to solve the problem being addressed and how the Board might accomplish the suggested change. The Board will allow public comment and/or questioning until the conclusion of the hearing, but no later than 12:00 Midnight when the Board reserves the right to terminate the public hearing.
5. **Written Comments Following the Hearing.** For a period of thirty (30) days following the hearing, School District residents and employees who wish to have their written comments regarding the project included in the material

forwarded to the Pennsylvania Department of Education should mail or deliver such statements to:

Robert Riegel, Board Secretary
The School District of Haverford Township
50 East Eagle Road
Havertown, PA 19083

Any such comments must be submitted no later than 4:00 PM on February 8, 2019. All written comments should include the name and address of the person submitting the comments, identification of the sender as a resident or employee, and a description of the support or objection to the project.

NEED FOR THE PROJECT

The existing Lynnewood Elementary School was constructed in 1955. Renovations to the mechanical systems were done 31 years ago in 1987. The age of the building and evolving educational needs have compromised the ability of the facility to satisfactorily serve the School District of Haverford Township.

The building systems and finishes are either at or near their useful life.

- The building mechanical heating system is now over 30 years old and must be replaced.
- Replacement of the mechanical systems will require upgrades to the electrical system.
- The exterior window wall is failing due to age. It is neither insulated nor energy efficient.
- Many of the floors throughout the building are asbestos floor tile. Renovation to the mechanical, electrical and exterior wall system will necessitate abatement of this asbestos and replacement of the floor finish.
- The kitchen equipment is dated, and many pieces of equipment are no longer operable.
- The building is two stories with no elevator and only limited ADA access between levels.

Educationally, the existing building is not meeting the District's needs.

- Portable classrooms are being used for classroom space.
- Both the Gymnasium and Cafeteria are undersized.
- There is inadequate amount of small group instruction rooms as needed for the evolving special education requirements.
- Improvements are necessary to improve secured access to the building.

ALTERNATIVE SOLUTIONS CONSIDERED

The School District of Haverford Township has studied several options to address the physical condition and curriculum needs of the Lynnewood Elementary School. These were discussed in detail in a feasibility study prepared by Studio Agoos Lovera dated October 2017.

OPTION 1 - Renovation of the existing Lynnewood Elementary School.

A major renovation includes replacement of the exterior envelope, updated interior finishes, improvements to ADA access, and upgrades to the building's mechanical, electrical, and plumbing systems.

OPTION 2 - Renovation/Addition to the Lynnewood Elementary School.

A major renovation includes replacement of the exterior envelope, updated interior finishes, improvements to ADA access, and upgrades to the building's mechanical, electrical, and plumbing systems. The option also retains the existing lower floor level, converts the gymnasium and cafeteria into classrooms, and renovates the balance of the building. Additions totaling 17,500 square feet include a new Gymnasium, Cafeteria, and additional classrooms.

OPTION 3 - New Construction of the Lynnewood Elementary School.

A new K-5 grade building is constructed on the site in front of the existing building. The existing school remains in operation during construction and is demolished after the new building is occupied. The site is reorganized to maintain required parking, reconstructed playfield, and improved interior site circulation. The new building features energy efficient exterior envelope, mechanical, electrical, and plumbing systems.

Option 3 was selected by the District as it best addressed all needs and provided the best value for educational needs and long-term facility costs.

PROJECT DESCRIPTION (Page 1 of 2)

District/CTC:	Project Name:	Grades: _____ - _____
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1. Indicate the type of project:

New School Building _____ x	Additions to Existing Building _____	Alterations to Existing Building _____	Building Purchase _____
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2. Indicate the current condition of the project building:

Poor _____	Fair _____ x	Good _____	Excellent _____
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3. Indicate the current Portfolio Manager Score (1 - 100), predicted Target Finder Score (1 - 100) and EUI (Energy Utilization Index) in thousands of British Thermal Units per Square Foot (kbtu/sf) for the project building:

Portfolio Manager Score _____ 76	Target Finder _____ 75	Site EUI _____ 35.9	Source EUI _____ 79.7
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4. Indicate the L & I construction type for the project building:

Fire-Resistive _____	Non-Combustible _____ x	Protected Heavy Timber _____	Wood Frame or Ordinary _____
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5. Indicate the number of stories for the project building:

1 story _____	2 stories _____	3 stories _____ x	4 or more _____
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6. If a project involves the renovation of a structure of more than one story which has wood framing (interior or exterior framing that is wholly or partially of wood), provide a description of the construction plans and methods designed to meet health and safety standards related to the use of wood in this building (BEC 24 P.S. § 7-733).

N/A
7. Briefly describe the work, in general, to be completed by this construction project:

The School District of Haverford intends to construct a new Lynnewood Elementary School for 700 students, demolish the existing building and reconfigure the site circulation.
8. Indicate the reasons justifying the planned project (check the following if applicable):

Enrollment Growth _____	Educational Programming _____ x	Health and Safety Issues _____ x	Building and/or Site Accessibility _____ x
Structural and/or Roof _____ x	HVAC, Electrical and/or Plumbing _____ x	Other: _____	
9. Briefly describe any educational, operational and administrative changes that will be implemented as a result of this construction project.

The new facility will accomodate the Kindergarten, Life Skills, Music Classrooms, Small Group Instruction, Library and Physical Education in adequate facilities required for the programs.
10. Is total demolition of an entire existing structure part of this project? Yes _____ x No _____
11. Is there any building/structure/site condition/site feature that is more than 50 years old on this site? If yes, please describe. Yes _____ x No _____
CONTACT PHMC

The original portion of the school was constructed in 1955.
12. Will this project involve the demolition of historically significant structures, including but not limited to school buildings or private residences? If Yes, please describe. Yes _____ No _____ x
13. Indicate the site acreage:

Current	11.82	(If acreage is to be acquired, report costs on Page A04, Line N.)
To be Acquired Total Planned	11.82	
14. Are there any other district buildings located at this site? If yes, list the other buildings: Yes _____ No _____ x
15. Is the acreage to be acquired currently in agricultural use? Yes _____ No _____ x

PROJECT DESCRIPTION (Page 2 of 2)

District/CTC:

Project Name:

Grades: _____ - _____

16. Describe the existing site topography and any planned changes.

The current site is divided into two terraces by the existing building. Steep slopes are located at the end of the existing school and edge of the site. The portion of the site where the new school will be constructed is currently an athletic field on the lower terrace with a gentle slope. The remaining area of the site will remain terraced and utilized for parking, athletic field, and storm water management. Once the new building is occupied, the existing building will be demolished and infilled to allow for second floor on grade access to the front of the building.

17. Describe existing access to public roads and any planned changes.

There are four driveways from the property. Two driveways are utilized by faculty, parents, & visitors; one is a service driveway; and one is a gated access drive. School buses utilize a pull-off lane on the public road. The revised site plan will maintain the existing driveways, except for the service drive that will be relocated off the other driveways.

18. Describe existing community use of the site and any planned changes.

Currently the community utilizes the school's gymnasium and playing fields. The new building and revised site plan will allow for the continued community use of the gymnasium and better access to the relocated playing fields from the parking area.

19. Describe existing conditions on or near the site that could affect health and safety.

The current on-site circulation allows for service vehicles to enter and circulate between the building and play areas. The new site plan will eliminate this concern.

20. Is there an adopted municipal comprehensive land use plan, as per the Pennsylvania Municipalities Planning Code?

Yes x

No

21. Is there an adopted county comprehensive land use plan?

Yes x

No

22. Is there an adopted multi-municipal or multi-county comprehensive land use plan?

Yes

No x

23. Is there an adopted county or municipal zoning ordinance or a joint municipal zoning ordinance?

Yes x

No

24. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances?

Yes x

No

SUMMARY OF OWNED BUILDINGS AND LAND										
District/CTC:				Project Name:				Grades: _____ - _____		
#1	PRESENT				PLANNED					
	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
NAME OF BUILDING OR SITE (INCLUDING DAO AND VACANT LAND) OWNED BY SCHOOL DISTRICT/CTC	CONSTRUCTION AND/OR RENOVATION DATES (BID OPENING DATES)	SITE SIZE (ACRES)	GRADE LEVELS	BUILDING FTE	CONVERSION / DISPOSITION AND PLANNED COMPLETION DATE BASED ON OPTION CHOSEN	SITE SIZE (ACRES)	GRADE LEVELS	PLANNED BUILDING FTE	PDE PROJECTED GRADE LEVEL ENROLLMENT 10 YEARS INTO THE FUTURE	FTE MINUS ENROLLMENT (#9 - #10)
Chatham Park	1955/1990	9.53	K-5	625	Maintain	9.53	K-5	625	XXXXXXXX	XXXXXXXX
Coopertown	1958/1991	15	K-5	500	Maintain	15	K-5	500	XXXXXXXX	XXXXXXXX
Manoa	1901/63/77/ 2009	2.58	K-5	775	Maintain	10.6	K-5	775	XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
Chestnutwold	2006	3.74	K-5	600	Maintain	3.74	K-5	600	XXXXXXXX	XXXXXXXX
Lynnewood	1956	11.8	K-5	575	Demo / New ES 2021	11.8	K-5	775	XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXX	XXX	XXXX	3,075	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	3,275	3,164	111
Haverford Middle School	1922/57/60 2000	5.3	6-8	1,430	Maintain	5.3	6-8	1,430	XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXX	XXX	XXXX	1,430	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,430	1,516	(86)
Haverford High School	1913/30/55 60/2000	23	9-12	1,891	Maintain	23	9-12	1,891	XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXX	XXX	XXXX	1,891	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,891	2,003	(112)
Brookline Learning Center		2			Maintain				XXXXXXXX	XXXXXXXX
Transportation Center					Maintain				XXXXXXXX	XXXXXXXX
Haverford Stadium		10			Maintain				XXXXXXXX	XXXXXXXX
Williamson Fields					Maintain				XXXXXXXX	XXXXXXXX
Maintenance Building					Maintain				XXXXXXXX	XXXXXXXX
Oakmont		1.6			Maintain				XXXXXXXX	XXXXXXXX
									XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXX	XXX	XXXX		XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX			
TOTAL	XXXXXXXX	XXX	XXXX	6,396	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	6,596	6,683	(87)

**ACTIONS TO BE TAKEN IN THE FUTURE IF PROJECTIONS COME TRUE
AND THE SCHOOL DISTRICT EXPERIENCES EXCESS OR INSUFFICIENT CAPACITY**
(FTE MINUS PROJECTED ENROLLMENT (Col. 11) > + or - 300)

CHECK IF APPLICABLE:

_____ EXPAND PROGRAMS OR COURSE OFFERINGS

_____ PROVIDE SPACE FOR USE BY COMMUNITY GROUPS OR SERVICE AGENCIES

_____ OFFER FULL-TIME KINDERGARTEN OR PRE-SCHOOL

_____ REDUCE CLASS SIZE

_____ CLOSE SCHOOL(S)

_____ OTHER (DESCRIBE): _____

LEGEND

--- EXISTING MAJOR CONTOURS
--- EXISTING MINOR CONTOURS
--- RIGHT-OF-WAY LINE
--- EXISTING PAVEMENT EDGE
--- EXISTING CURB
--- PROPOSED CURB
--- EXISTING FENCE
--- EXISTING ELECTRIC METER
--- EXISTING WATER VALVE
--- EXISTING STORM INLET
--- PROPOSED WALKWAY
--- PROPOSED BOLLARD
--- EXISTING CONCRETE MONUMENT
--- PROPOSED CONCRETE MONUMENT

GENERAL SURVEY NOTES:

1. SITE SURVEY IS BASED ON THE FOLLOWING INFORMATION:
A PLAN ENTITLED "EXISTING FEATURES PLAN" FOR LYNWOOD ELEMENTARY SCHOOL, COMPILED BY KELLY & GLOVE ENGINEERS, DATED JUNE 16, 2017 WITH THE FOLLOWING REFERENCES:
• A FIELD SURVEY PERFORMED BY BOUCHER & JAMES, INC. DURING AUGUST 2002
• A PLAN ENTITLED "SITE IMPROVEMENTS PLAN" AS PREPARED FOR LYNWOOD ELEMENTARY SCHOOL BY H.F. LENZ COMPANY DATED MAY 19, 2006.
• THE ORIGINAL SITE BLUEPRINT (UNTITLED CIRCA 1949)
• GOOGLE MAPS/ AERIAL DOWNLOADED IN JUNE 2017
• DEED BOOK 1455, PAGE 0518
2. VERTICAL DATUM IS NAVD83.
3. PROPERTY IS LOCATED IN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN BASED ON MAP NO. 42045C0102F, REVISED NOVEMBER 18, 2009.
4. PUBLIC WATER SERVICE TO BE PROVIDED BY AQUA PA.
5. PUBLIC SEWER SERVICE TO BE PROVIDED BY HAVERFORD TOWNSHIP.
6. GAS AND ELECTRIC UTILITIES TO BE PROVIDED BY PECO ENERGY
7. THE FOLLOWING PA ONE CALL SERIAL NUMBER HAS BEEN OBTAINED FOR THIS PROJECT: 2051488.

GENERAL NOTES

1. AT LEAST THE FIRST 30 FEET ADJACENT TO ANY STREET LINE AND 5 FEET ADJACENT TO ANY LOT LINE SHALL NOT BE USED FOR PARKING AND SHALL BE PLANTED AND MAINTAINED IN LAWN AREA, GROUND COVER OR LANDSCAPED WITH EVERGREEN SHRUBBERY. THERE IS AN EXISTING NONCONFORMITY ALONG THE SOUTHERN BOUNDARY OF THE PROPERTY.
2. SHEETS 1 THRU 21 OF 21 ON RECORD AT HAVERFORD TOWNSHIP SHALL BE PART OF THE APPROVED FINAL PLAN AS IF RECORDED WITH SAME.
3. ALL CONTRACTORS WORKING ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF THE UNDERGROUND UTILITY LINE PROTECTION LAW, PA. ACT 187 OF 1996. CONTRACTORS SHALL OBTAIN A PA ONE CALL NUMBER FOR CONSTRUCTION PURPOSES.
4. ALL CONTRACTORS WORKING ON THIS PROJECT SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT ARE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) STANDARDS.
5. THE BURYING OF TREES AND OTHER CONSTRUCTION DEBRIS ON THE SITE IS PROHIBITED.
6. IT SHALL BE UNLAWFUL TO ALTER OR REMOVE ANY PERMANENT STORMWATER CONTROL BMP REQUIRED BY AN APPROVED STORMWATER CONTROL AND BMP OPERATIONS AND MAINTENANCE PLAN, OR TO ALLOW THE PROPERTY TO REMAIN IN A CONDITION WHICH DOES NOT CONFORM TO AN APPROVED STORMWATER CONTROL AND BMP OPERATIONS AND MAINTENANCE PLAN.
7. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH PENNDOT FORM 408, HAVERFORD TOWNSHIP MUNICIPAL SPECIFICATIONS OR EQUAL, OR AS DIRECTED THE TOWNSHIP ENGINEER.
8. NO PERSON SHALL MODIFY, REMOVE, FILL, OR ALTER ANY EXISTING STORMWATER CONTROL OR BMP UNLESS IT IS PART OF AN APPROVED MAINTENANCE PROGRAM WITHOUT THE WRITTEN APPROVAL OF THE MUNICIPALITY.
9. NO PERSON SHALL PLACE ANY STRUCTURE, FILL, LANDSCAPING, OR VEGETATION INTO A STORMWATER CONTROL OR BMP OR WITHIN A DRAINAGE EASEMENT WHICH WOULD LIMIT OR ALTER THE FUNCTIONING OF THE STORMWATER CONTROL OR BMP WITHOUT THE WRITTEN APPROVAL OF HAVERFORD TOWNSHIP.
10. THE MUNICIPALITY AND ITS DULY AUTHORIZED REPRESENTATIVES MAY, AT REASONABLE TIMES, ENTER UPON THE PROPERTY TO INSPECT THE IMPLEMENTATION, CONDITION, OR OPERATION AND MAINTENANCE OF THE STORMWATER CONTROLS OR BMPs. THE OWNERS AND OPERATORS OF THE STORMWATER CONTROLS AND BMPs ON SITE SHALL ALLOW PERSONS WORKING ON BEHALF OF HAVERFORD TOWNSHIP READY ACCESS TO ALL PARTS AND PREMISES FOR THE PURPOSES OF DETERMINING COMPLIANCE WITH THE OPERATION AND MAINTENANCE PROCEDURES OF THE TOWNSHIP CODE AND THE OPERATIONS AND MAINTENANCE AGREEMENT. PERSONS WORKING ON BEHALF OF HAVERFORD TOWNSHIP SHALL HAVE THE RIGHT TO TEMPORARILY LOCATE ON ANY STORMWATER CONTROL OR BMP SUCH DEVICES AS ARE NECESSARY TO CONDUCT MONITORING AND/OR SAMPLING OF THE DISCHARGES FROM SUCH STORMWATER CONTROLS OR BMPs.

CHAPTER 93 - SURFACE WATER CLASSIFICATION

RECEIVING WATER NAME: DARBY CREEK, CHAPTER 93 EXISTING/ DESIGNATED USE: CWF, MF

ZONING TABULATION

1. ZONING DISTRICT: INS - INSTITUTIONAL
2. PROPOSED USE: ELEMENTARY SCHOOL - CONDITIONAL USE*
3. GROSS SITE AREA: 11.82 AC (515,052 S.F.)
LAWRENCE ROAD RIGHT OF WAY: 0.77 AC (33,391 S.F.)
NET SITE AREA: 11.06 AC (481,661 S.F.)
4. AREA AND DEVELOPMENT REGULATIONS:

CRITERIA	REQUIREMENT	EXISTING	PROPOSED
A. MINIMUM TRACT AREA	2.00 ACRES	11.82 ACRES	11.82 ACRES
B. MINIMUM LOT FRONTAGE	150 FT	1059 FT	1059 FT
C. MINIMUM FRONT YARD	100 FT	59.8 FT	105.00 FT **
D. MINIMUM SIDE YARD	50 FT	117.2 FT	91.36 FT
E. MINIMUM REAR YARD	75 FT	62.7 FT	282.06 FT
F. MAXIMUM BUILDING HEIGHT	35 FT (OR 3 STORIES)	2 STORIES	37 FT **
G. MAXIMUM BUILDING COVERAGE	20%	10.49% (50,536 S.F.)	8.86% (42,690 SF.)
H. MAXIMUM IMPERVIOUS SURFACE	40%	30.54% (147,054 S.F.)	35.85% (172,665 SF.)
5. A 30' BUFFER PLANTING STRIP IS REQUIRED IN THE FRONT YARD IN INSTITUTIONAL DISTRICTS PER SECTION 182-718.8(2)(c) OF THE HAVERFORD TOWNSHIP ZONING ORDINANCE.

PARKING TABULATION

- PARKING SPACES REQUIRED PER SECTION 182-707:
1 SPACE PER 1000 S.F. OF G.F.A. + 1 SPACE PER 2 EMPLOYEES
G.F.A. = 81,493 S.F. 81,493 X 1 SPACE/1000 S.F. = 82 SPACES
STAFF = 76 EMPLOYEES 76 EMPLOYEES X 1 SPACE/2 EMPLOYEES = 38 SPACES
TOTAL REQUIRED SPACES: 82 + 38 = 120 SPACES
TOTAL SPACES PROVIDED: 131 SPACES (INCLUDING 6 H.C. SPACES)

HANDICAPPED SPACES REQUIRED:
TOTAL HANDICAPPED SPACES REQUIRED: 6 SPACES, INCLUDING 1 VAN ACCESSIBLE SPACE
TOTAL HANDICAPPED SPACES PROVIDED: 6 SPACES, INCLUDING 2 VAN ACCESSIBLE SPACES

PARKING BUFFER REQUIREMENT:
5' PLANTING STRIP REQUIRED ALONG ANY PROPERTY LINES ADJACENT TO RESIDENTIAL DISTRICTS.
EXISTING PARKING SPACES CONSIDERED EXISTING NONCONFORMITY.

IMPERVIOUS TABULATION

BUILDING COVERAGE: 42,690 S.F.
PARKING, SIDEWALK & PAVING: 119,567 S.F.
HARD PLAY AREAS: 10,408 S.F.
TOTAL IMPERVIOUS COVERAGE: 172,665 S.F.

IMPERVIOUS SURFACE PERCENTAGE: (172,665 / 481,661) * 100 = 35.85%

PROFESSIONAL ENGINEER'S CERTIFICATION:

I, THOMAS M. HANNA, # PE-50120-E, ON THIS DATE _____, HEREBY CERTIFY THAT THE DRAINAGE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE HAVERFORD TOWNSHIP STORMWATER MANAGEMENT CODE.

I, _____ (APPLICANT), ACKNOWLEDGE THAT ANY REVISION TO THE APPROVED DRAINAGE PLAN MUST BE APPROVED BY HAVERFORD TOWNSHIP, AND THAT A REVISED EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE CONSERVATION DISTRICT FOR DETERMINATION OF ADEQUACY.

TO ALL WHOM THESE PRESENTS MAY COME KNOW YE THAT I/WE _____ HAVE LAID OUT UPON OUR LAND SITUATED IN THE TOWNSHIP OF HAVERFORD, COUNTY OF DELAWARE, COMMONWEALTH OF PENNSYLVANIA, LOTS AND STREETS ACCORDING TO THE ACCOMPANYING PLAN WHICH IS INTENDED TO BE FORTHWITH RECORDED. WITNESS OUR HAND AND SEAL THIS _____ DAY OF _____

OWNER
COMMONWEALTH OF PENNSYLVANIA:
COUNTY OF DELAWARE:
ON THE _____ DAY OF _____, BEFORE ME THE SUBSCRIBER A NOTARY PUBLIC OF THE COMMONWEALTH OF PENNSYLVANIA, PERSONALLY APPEARED _____ WHO ACKNOWLEDGED THIS PLAN TO BE THE OFFICIAL PLAN OF PROPERTY SHOWN HEREON, LOCATED IN HAVERFORD TOWNSHIP, DELAWARE COUNTY, PA. AND DESIRED THE SAME TO BE RECORDED.

NOTARY PUBLIC _____ MY COMMISSION EXPIRES _____

REVIEWED BY THE HAVERFORD TOWNSHIP ENGINEER ON THE _____ DAY OF _____

RECOMMENDED FOR APPROVAL BY THE HAVERFORD TOWNSHIP PLANNING COMMISSION ON THE _____ DAY OF _____

APPROVED BY RESOLUTION OF THE BOARD OF COMMISSIONERS OF HAVERFORD TOWNSHIP, COUNTY OF DELAWARE, COMMONWEALTH OF PENNSYLVANIA, AT A MEETING HELD ON THE _____ DAY OF _____

DELAWARE COUNTY PLANNING COMMISSION

REFERENCES:

1. TAX MAP FOR HAVERFORD TOWNSHIP, COUNTY OF DELAWARE, COMMONWEALTH OF PENNSYLVANIA.
2. PLAN ENTITLED FLOOD INSURANCE RATE MAP, BUCKS COUNTY, PENNSYLVANIA, MAP NUMBER 42045C0102F, REVISED NOVEMBER 18, 2009.
3. DEED BOOK 1455, PAGE 0518.

LOCATIONS OF EXISTING UNDERGROUND UTILITIES/FACILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM RECORDS, FIELD MARKS BY UTILITY OWNERS, AND/OR ABOVE-GROUND OBSERVATION OF THE SITE. NO EXCAVATIONS WERE PERFORMED IN THE PREPARATION OF THESE DRAWINGS; THEREFORE ALL UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH, AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES/FACILITIES TO BE PRESENT WHICH ARE NOT SHOWN ON THE DRAWINGS. ONLY THE VISIBLE LOCATIONS OF UNDERGROUND UTILITIES/FACILITIES AT THE TIME OF FIELD SURVEY SHALL BE CONSIDERED TRUE AND ACCURATE. COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES/FACILITIES ARE NOT GUARANTEED BY GILMORE & ASSOCIATES INC.

ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO START OF WORK AND SHALL COMPLY WITH THE REQUIREMENTS OF P.L. 852, NO. 287 DECEMBER 10, 1974 AS LAST AMENDED ON NOVEMBER 4, 2016 PENNSYLVANIA ACT 160. GILMORE & ASSOCIATES INC. HAS NOT OBTAINED A PA-ONE CALL SERIAL NUMBER FOR DESIGN PURPOSES.

PENNSYLVANIA ONE CALL SYSTEM, INC.



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY. PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, SHALL, BLAST OR DEMOLISH.



LOCATION MAP
1000 00 1000 2000
SCALE
IN FEET
SCALE: 1"=1000'

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES



TAX MAP PARCEL NO.:
DEED #1455 PAGE #0518

MUNICIPAL FILE NO.:
1711057

JOB NO.:
1711057

OWNER:
THE SCHOOL DISTRICT OF
50 EAST EAGLE ROAD
HAVERFORD, PA 19001
910-865-5605 EXT. 7000

TOTAL AREA:
11.82 AC.

DATE:
09/28/18

SCALE:
1"=40'

CHECKED BY:
ARS

DRAWN BY:
MAC

DATE:
09/28/18

BY:
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REVISION:

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FLOOR PLANS

Floor Plans can be viewed by appointment only in the district administration building.

PROJECT DESCRIPTION

The new Lynnewood Elementary school is an 86,970 SF building divided into a commons wing and three-story classroom wing. The commons wing includes the second-floor main entry with secure vestibule, associated main administration suite, nurse's office, guidance classroom, music classrooms, gymnasium, combined stage/large group instruction/cafeteria, kitchen, and mechanical room. The classroom wing includes two life skills classrooms, three kindergarten rooms, five classrooms per 1st - 5th grades, special education classrooms, small group instruction classrooms, art classroom, and library. The school is designed for an occupancy of 700 students.

SITE

The new building is sited on the current playfield with the classroom wing along Lawrence road and commons wing engaging the existing parking area and new playfield. The placement of the building toward Lawrence road allows for the playfield to be reconstructed on the rear of the site where the existing building currently resides. The site configuration also creates a second-floor main entry that allows for a shorter distance of vertical travel between floors for students. The V-shape of the building allows for the playground to be located between the two wings, providing a buffer from the surrounding properties.

All vehicular traffic will enter the site at the same point, but parent drop off will be separated from faculty parking and deliveries. There are 131 parking spaces provided on the site. School buses will continue to utilize a pull-off lane on Lawrence Road for drop-off and pick-up.

The building will utilize the natural grade of the site and utilize a second-story main entry from the main parking lot. The new playfield will be located on a mid-level terrace to ease grading of the site and the first floor of the new elementary school will be located on the lowest level of the existing terraced site.

BUILDING

The overall layout of the building creates a compact and efficient design to reduce travel distance between spaces. The exterior aesthetic design of the building integrates the material context of the community. The interior of the building utilized durable, cost effective materials that create an environmental beneficial to learning.

An energy efficient building envelope is created by high R-value insulation enclosed by masonry veneer, metal cladding, and a modified bitumen roof system. These systems are supported by a steel frame structural system.

A hydronic system will provide heating and cooling with natural gas fired boilers, rooftop chiller and makeup units with energy recovery that will supply fresh air to classrooms. Screen walls will hide the rooftop equipment from view of Lawrence Road. The HVAC system will utilize carbon monoxide sensors and controls in the large assembly spaces, variable frequency drives on fans and pumps, direct digital control on the automatic temperature control system, and energy efficient motors to minimize the energy used to control the building climate. Similarly, the plumbing systems will include low flow fixtures, sensor faucets and flush valves, and direct digital control on the automatic temperature control system for the hot water circulation to minimize the building's water consumption and energy used to heat it. In addition, to reduce energy used for lighting, the school will utilize natural daylighting in the cafeteria, library and gymnasium, as well as include energy efficient LED lighting fixtures.

DIRECT COSTS FOR THE NEW ELEMENTARY SCHOOL

The Direct Costs for the project are reflected on the next five (5) pages (D02, D03, attachment to D03, D04 and D20) extracted from the Planning Construction Workbook, Part D. The estimated direct cost millage increase is detailed elsewhere.

PROJECT ACCOUNTING BASED ON ESTIMATES (1 of 2)			
District/CTC:		Project Name:	Project #:
ROUND FIGURES TO NEAREST DOLLAR			
PROJECT COSTS	NEW	EXISTING	TOTAL
A. STRUCTURE COSTS (include site development)			
1. General (Report costs for sanitary sewage disposal on line E-1.)	18,960,700		18,960,700
2. Heating and Ventilating	4,250,809		4,250,809
3. Plumbing (Report costs for sanitary sewage disposal on line E-1.)	1,096,943		1,096,943
4. Electrical	4,180,601		4,180,601
5. Asbestos Abatement (D04, line C-3)	X X X X X X		
6. Building Purchase Amount	X X X X X X		
7. Other * (Exclude test borings and site survey)			
a. Fire Protection	438,777		438,777
b. Tank Removal	35,000		35,000
c. _____			
d. _____			
e. PlanCon-D-Add't Costs, Total			
A-1 to A-7 - Subtotal	28,962,830		28,962,830
8. Construction Insurance			
a. Owner Controlled Insurance Program on Structure Costs (Exclude asbestos abatement, building purchase and other structure costs not covered by the program)	72,871		72,871
b. Builder's Risk Insurance (if not included in primes)			
c. Construction Insurance - Total	72,871		72,871
9. TOTAL-Structure Costs (A-1 to A-7-Subtotal plus A-8-c)	29,035,701		29,035,701
B. ARCHITECT'S FEE			
1. Architect's/Engineer's Fee on Structure	1,586,072		1,586,072
2. EPA-Certified Project Designer's Fee on Asbestos Abatement	X X X X X X X X X X X X		
3. TOTAL - Architect's Fee	1,586,072		1,586,072
C. MOVABLE FIXTURES AND EQUIPMENT			
1. Movable Fixtures and Equipment	570,000		570,000
2. Architect's Fee	32,632		32,632
3. TOTAL - Movable Fixtures & Equipment	602,632		602,632
D. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT - TOTAL (A-9 plus B-3 and C-3)	31,224,405		31,224,405
E. SITE COSTS			
1. Sanitary Sewage Disposal	185,700		185,700
2. Sanitary Sewage Disposal Tap-In Fee and/or Capacity Charges			
3. Owner Controlled Insurance Program/Builder's Risk Insurance on Sanitary Sewage Disposal	464		464
4. Architect's/Engineer's Fee for Sanitary Sewage Disposal	10,631		10,631
5. Site Acquisition Costs		X X X X X X	
a. Gross Amount Due from Settlement Statement or Estimated Just Compensation		X X X X X X	
b. Real Estate Appraisal Fees		X X X X X X	
c. Other Related Site Acquisition Costs		X X X X X X	
d. Site Acquisition Costs - Total		X X X X X X	
6. TOTAL - Site Costs	196,795		196,795
F. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT, AND SITE COSTS - TOTAL (D plus E-6)	31,421,200		31,421,200
* Type "No Fee" beside each item for which no design fee is charged.			

PROJECT ACCOUNTING BASED ON ESTIMATES (2 of 2)

District/CTC:	Project Name:	Project #:		
ROUND FIGURES TO NEAREST DOLLAR				
PROJECT COSTS (CONT.)		TOTAL		
G. ADDITIONAL CONSTRUCTION-RELATED COSTS				
1. Project Supervision (inc. Asbestos Abatement Project Supervision)				
2. Construction Manager Fee and Related Costs		1,281,700		
3. Total Demolition of Entire Existing Structures and Related Asbestos Removal to Prepare Project Site for Construction of New School Building and Related AHERA Clearance Air Monitoring and EPA-Certified Project Designer's Fee on Asbestos Abatement (Exclude costs for partial demolition.)		1,143,600		
4. Architectural Printing				
5. Test Borings		7,300		
6. Site Survey				
7. Other (attach schedule if needed)				
a. _____				
b. PlanCon-D-Add't Costs, Total		788,000		
8. Contingency		2,000,000		
9. TOTAL - Additional Construction-Related Costs		5,220,600		
H. FINANCING COSTS FOR THIS PROJECT ONLY	BOND ISSUE/NOTE SERIES OF 2018	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF 2020	X X X X X X X X X X X X
1. Underwriter Fees	65,000	65,000	133,478	263,478
2. Legal Fees	45,000	45,000	25,680	115,680
3. Financial Advisor	37,500	37,500	22,000	97,000
4. Bond Insurance				
5. Paying Agent/Trustee Fees and Expenses	1,500	1,500	860	3,860
6. Capitalized Interest			840,000	840,000
7. Printing	9,000	9,000	5,140	23,140
8. CUSIP & Rating Fees	13,000	13,000	7,500	33,500
9. Other				
a. Advertising, Phone & Fed-Ex	5,000	5,000	5,000	15,000
b. _____				
10. TOTAL-Financing Costs	176,000	176,000	1,039,658	1,391,658
I. TOTAL PROJECT COSTS (F plus G-9 plus H-10)				38,033,458
REVENUE SOURCES	BOND ISSUE/NOTE SERIES OF 2018	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF 2020	TOTAL
J. AMOUNT FINANCED FOR THIS PROJECT ONLY	9,385,000	10,000,000	18,585,000	37,970,000
K. ORIGINAL ISSUE DISCOUNT/ PREMIUM FOR THIS PROJECT ONLY	-50,000	-50,000	-71,975	(171,975)
L. INTEREST EARNINGS FOR THIS PROJECT ONLY	68,533	68,535	98,365	235,433
M. BUILDING INSURANCE RECEIVED				
N. PROCEEDS FROM SALE OF BUILDING OR LAND				
O. LOCAL FUNDS - CASH (SEE INSTRUCTIONS)				
P. OTHER FUNDS (ATTACH SCHEDULE)				
Q. TOTAL REVENUE SOURCES				38,033,458

ADDITIONAL PROJECT COSTS

[illegible]

* - Type "No Fee" beside each item listed above for which no design fee is charged.

D03 - G. ADDITIONAL CONSTRUCTION-RELATED COSTS	TOTAL
Additional Services	200,000
Traffic Study	8,000
Testing / Inspection	75,000
Environmental	35,000
District Labor - Moving Costs	50,000
Building Permits	50,000
Township Inspection Fees	75,000
Telephone/Data	20,000
Peco Fees - Gas	75,000
Peco - Electric	200,000
TOTAL - ADDITIONAL CONSTRUCTION-RELATED COSTS	788,000

DETAILED COSTS			
District/CTC:		Project Name:	
		Project #:	
	NEW	EXISTING	TOTAL
A. SITE DEVELOPMENT COSTS (exclude Sanitary Sewage Disposal)			
1. General (include Rough Grading to Receive Building)	4,740,834		4,740,834
2. Heating and Ventilating			
3. Plumbing	75,500		75,500
4. Electrical	492,750		492,750
5. Other: _____			
6. Other: _____			
7. A-1 thru A-6 - Subtotal	5,309,084		5,309,084
8. Construction Insurance			
a. Owner Controlled Insurance Program on Site Development Costs			
b. Builder's Risk Insurance (if not included in primes)	13,865		13,865
c. Construction Insurance - Subtotal	13,865		13,865
9. Site Development Costs - Total	5,322,949		5,322,949
B. ARCHITECT'S FEE ON SITE DEVELOPMENT	317,515		317,515
			EXISTING
C. ASBESTOS ABATEMENT			
1. Asbestos Abatement			
2. AHERA Clearance Air Monitoring			
3. Asbestos Abatement - Total (D02, line A-5)			
D. EPA-CERTIFIED PROJECT DESIGNER'S FEE ON ASBESTOS ABATEMENT (D02, LINE B-2)			
E. ROOF REPLACEMENT/REPAIR			
1. Roof Replacement Repair			
2. Owner Controlled Insurance Program on Roof Replacement/Repair			
3. Builder's Risk Insurance (if not included in primes)			
4. Roof Replacement/Repair - Total			
F. ARCHITECT'S FEE ON ROOF REPLACEMENT/REPAIR			

**ACT 34 OF 1973: MAXIMUM BUILDING CONSTRUCTION COST
FOR NEW BUILDING OR SUBSTANTIAL ADDITION ONLY**

District/CTC:	Project Name:	Project #:
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Act 34 applies only to costs for new construction. The legal requirements do not address the costs for alterations to existing structures. For this reason, costs associated with the existing structure and other related costs should not be included in the following calculations.

A. STRUCTURE COST, ARCHITECT'S FEE, MOVABLE FIXTURES
AND EQUIPMENT (D02, line D-NEW)

\$ 31,224,405

B. EXCLUDABLE COSTS FOR NEW CONSTRUCTION

1. Site Development Costs (D04, line A-7-NEW) \$ 5,322,949

2. Architect's Fees on the above
excludable costs \$ 317,515

3. Vocational Projects Only - Movable
Fixtures & Equipment (D02, line C-3-NEW) \$ _____

4. Total Excludable Costs
(B-1 plus B-2 and B-3) \$ 5,640,464

C. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST
(A minus B-4)

\$ 25,583,941

**THE BOARD MUST ADOPT THE FIGURE ON
LINE C BEFORE SCHEDULING THE FIRST
ACT 34 HEARING.**

IF THE MAXIMUM BUILDING CONSTRUCTION COST BASED ON BIDS IS EQUAL
TO OR GREATER THAN THE MAXIMUM BUILDING CONSTRUCTION COST BASED ON
ESTIMATES PLUS EIGHT PERCENT (LINE D), A SECOND PUBLIC HEARING WILL
BE REQUIRED BEFORE ENTERING INTO CONTRACTS AND STARTING CONSTRUCTION
ON ANY PLANNED WORK.

D. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST
TIMES 1.08 (C times 1.08)

\$ 27,630,656

**THE FIGURE ON
LINE D SHOULD
NOT BE ADOPTED
BY THE BOARD.**

INDIRECT COSTS FOR THE NEW ELEMENTARY SCHOOL

As a result of the completion of this proposed Project, it is only reasonable to assume that there will be indirect cost associated with services to be provided to accomplish long range objectives of the School District. School District officials have estimated the annual indirect costs associated with the Project to be as follows:

Additional Custodial Supplies	\$30,000
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Total	\$30,000
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Assuming a collected mill currently provides \$2,981,767, the indirect costs will have a millage cost of 0.01 mills annually.

ANALYSIS OF FINANCING ALTERNATIVES

We have analyzed four alternative methods of financing the proposed designing, constructing, furnishing, and equipping renovations to the Lynnewood Elementary School (the "Project"). We also estimated the direct costs of financing as required by the Department of Education regulations issued November 4, 1978.

ANALYSIS OF ALTERNATIVES

The four alternatives of financing that we examined are:

1. Cash or a short-term loan.
2. General obligation bond issue.
3. A local authority issue.
4. A financing through the State Public School Building Authority (SPSBA).

Review of the financing projections prepared in connection with this Project, and discussions with the School District's Administration indicated that a financing the entire project with cash is not feasible. The School District does not have the unassigned funds necessary to pay enough cash for its share of the Project, nor does it appear that the School District would be able to raise the required amounts from its anticipated cash flow to meet the proposed construction schedule.

We then analyzed in detail the three alternatives which would require the School District to incur long-term debt. For each alternative, we estimated a bond issue size and calculated the average annual debt service requirements. We then constructed a repayment schedule assuming equal annual payments over 20 years at current interest rate levels for the General Obligation, Local Authority, and SPSBA Bond Issues. Financing costs for the local authority and SPSBA were slightly higher, which resulted in a larger bond issue and higher average annual payments. Bonds issued through either a local authority or the SPSBA would be classified as revenue bonds instead of general obligation bonds. Interest rates on revenue bonds are slightly higher than interest rates that would be received on general obligation bonds. This would result in higher annual debt service payments for the School District. The General Obligation alternative offers the School District the advantage of lower interest rates, more favorable refunding provisions and keeps more control with the local school board. Based on these analyses and past performance, the least costly alternative for financing the Project is the General Obligation Bond Issue.

STATE REIMBURSEMENT

The School District does not anticipate receiving reimbursement from the State on this project due to the PlanCon moratorium that is currently in place.

COMPARISON OF LONG TERM FINANCING METHODS

<u>ITEM</u>	<u>GENERAL OBLIGATION</u>	<u>LOCAL AUTHORITY*</u>	<u>SPSBA</u>
Construction & Related Costs	\$33,360,100	\$33,360,100	\$33,360,100
Contingency & Supervision	3,281,700	3,281,700	3,281,700
Capitalized Interest	840,000	845,000	843,000
Costs of Issuance	<u>551,658</u>	<u>570,500</u>	<u>560,500</u>
Total Costs	38,033,458	38,057,300	38,045,300
Less: Interest Earned	235,433	244,300	241,300
Plus: Original Issue Discount	171,975	177,000	176,000
 BOND ISSUE	 37,970,000	 37,990,000	 37,980,000
 Average Annual Payment at 4.00%** for 20 years	 \$2,709,015	 \$2,771,303	 \$2,770,563

* A Local Authority would have annual administrative expenses, which have not been included in these calculations.

** Local Authority and SPSBA Annual Payments are calculated assuming 4.25% as a result of higher interest costs associated with selling revenue bonds.

The School District is considering other ways to reduce the debt service and local effort needed to fund the Project.

1. The School District may consider the use of bond insurance to improve the credit rating and marketability of the Bonds. The cost of such insurance may increase the size of the Bonds issued but reduce the interest rate the School District must pay on the Bonds, and result in lower debt service.
2. The School District may consider the use a wrap around debt service structure on the future Bonds in order to take advantage of a drop off in old debt service which will minimize the millage impact.
3. For discussion purposes only, we have provided:
 - Table 1- Series of 2018 \$9,385,000
 - Table 2 – Series of 2019 \$10,000,000
 - Table 3 – Series of 2020 \$18,585,000

TOTAL MILLAGE IMPACT

The total millage impact of the Project is:

\$9,385,000 G.O. Bonds on Table 1 =	0.12 mills
\$10,000,000 G.O. Bonds on Table 2 =	0.13 mills
\$18,585,000 G.O. Bonds on Table 3 =	0.24 <u>mills</u>
Total	0.49 mills

The millage impact from the bond issues of 0.49 plus the indirect costs of 0.01 mills equals a total millage impact of 0.50 mills.

SCHOOL DISTRICT OF HAVERFORD TOWNSHIP
SERIES OF 2018

Total Issue Size : \$9,385,000

Table 1

Settled 11/15/2018
Dated 11/15/2018

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Proposed Fiscal Year Debt Service</u>	<u>Less: State Aid</u>	<u>Proposed Local Effort</u>	<u>Existing Local Effort</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
3/15/2019			122,297.00	122,297.00	122,297.00		122,297.00	10,370,676.97	10,492,973.97	0.04
9/15/2019			183,445.50	183,445.50						
3/15/2020	5,000	2.800	183,445.50	188,445.50	371,891.00		371,891.00	10,231,854.05	10,603,745.05	0.08
9/15/2020			183,375.50	183,375.50						
3/15/2021	5,000	2.880	183,375.50	188,375.50	371,751.00		371,751.00	10,621,755.51	10,993,506.51	
9/15/2021			183,303.50	183,303.50						
3/15/2022	5,000	2.980	183,303.50	188,303.50	371,607.00		371,607.00	10,586,537.74	10,958,144.74	
9/15/2022			183,229.00	183,229.00						
3/15/2023	5,000	3.080	183,229.00	188,229.00	371,458.00		371,458.00	10,618,102.14	10,989,560.14	
9/15/2023			183,152.00	183,152.00						
3/15/2024	5,000	3.190	183,152.00	188,152.00	371,304.00		371,304.00	10,632,018.36	11,003,322.36	
9/15/2024			183,072.25	183,072.25						
3/15/2025	5,000	3.320	183,072.25	188,072.25	371,144.50		371,144.50	10,687,080.30	11,058,224.80	
9/15/2025			182,989.25	182,989.25						
3/15/2026	5,000	3.440	182,989.25	187,989.25	370,978.50		370,978.50	10,716,297.72	11,087,276.22	
9/15/2026			182,903.25	182,903.25						
3/15/2027	5,000	3.530	182,903.25	187,903.25	370,806.50		370,806.50	10,774,908.31	11,145,714.81	
9/15/2027			182,815.00	182,815.00						
3/15/2028	5,000	3.600	182,815.00	187,815.00	370,630.00		370,630.00	10,801,176.64	11,171,806.64	
9/15/2028			182,725.00	182,725.00						
3/15/2029	5,000	3.670	182,725.00	187,725.00	370,450.00		370,450.00	10,828,348.90	11,198,798.90	
9/15/2029			182,633.25	182,633.25						
3/15/2030	5,000	3.730	182,633.25	187,633.25	370,266.50		370,266.50	10,881,656.00	11,251,922.50	
9/15/2030			182,540.00	182,540.00						
3/15/2031	1,410,000	3.790	182,540.00	1,592,540.00	1,775,080.00		1,775,080.00	1,452,373.92	3,227,453.92	
9/15/2031			155,820.50	155,820.50						
3/15/2032	1,465,000	3.850	155,820.50	1,620,820.50	1,776,641.00		1,776,641.00	1,448,744.00	3,225,385.00	
9/15/2032			127,619.25	127,619.25						
3/15/2033	1,520,000	3.900	127,619.25	1,647,619.25	1,775,238.50		1,775,238.50	1,453,025.36	3,228,263.86	
9/15/2033			97,979.25	97,979.25						
3/15/2034	1,580,000	3.940	97,979.25	1,677,979.25	1,775,958.50		1,775,958.50	1,450,448.58	3,226,407.08	
9/15/2034			66,853.25	66,853.25						
3/15/2035	1,645,000	3.970	66,853.25	1,711,853.25	1,778,706.50		1,778,706.50	1,450,797.51	3,229,504.01	
9/15/2035			34,200.00	34,200.00						
3/15/2036	1,710,000	4.000	34,200.00	1,744,200.00	1,778,400.00		1,778,400.00		1,778,400.00	
TOTALS	9,385,000		5,479,608.50	14,864,608.50	14,864,608.50	0.00	14,864,608.50	135,005,802.00	149,870,410.50	0.12
PE%=	0.00% Estimated									
AR%=	20.17%									
1 MILL=	2,981,767									

SCHOOL DISTRICT OF HAVERFORD TOWNSHIP
SERIES OF 2019

Total Issue Size : \$10,000,000

Table 2

Settled 11/15/2019
Dated 11/15/2019

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Proposed Fiscal Year Debt Service</u>	<u>Less: State Aid</u>	<u>Proposed Local Effort</u>	<u>Existing Local Effort</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
3/15/2020			128,864.67	128,864.67	128,864.67		128,864.67	10,603,745.05	10,732,609.72	0.04
9/15/2020			193,297.00	193,297.00						
3/15/2021	5,000	2.800	193,297.00	198,297.00	391,594.00		391,594.00	10,993,506.51	11,385,100.51	0.09
9/15/2021			193,227.00	193,227.00						
3/15/2022	5,000	2.880	193,227.00	198,227.00	391,454.00		391,454.00	10,958,144.74	11,349,598.74	
9/15/2022			193,155.00	193,155.00						
3/15/2023	5,000	2.980	193,155.00	198,155.00	391,310.00		391,310.00	10,989,560.14	11,380,870.14	
9/15/2023			193,080.50	193,080.50						
3/15/2024	5,000	3.080	193,080.50	198,080.50	391,161.00		391,161.00	11,003,322.36	11,394,483.36	
9/15/2024			193,003.50	193,003.50						
3/15/2025	5,000	3.190	193,003.50	198,003.50	391,007.00		391,007.00	11,058,224.80	11,449,231.80	
9/15/2025			192,923.75	192,923.75						
3/15/2026	5,000	3.320	192,923.75	197,923.75	390,847.50		390,847.50	11,087,276.22	11,478,123.72	
9/15/2026			192,840.75	192,840.75						
3/15/2027	5,000	3.440	192,840.75	197,840.75	390,681.50		390,681.50	11,145,714.81	11,536,396.31	
9/15/2027			192,754.75	192,754.75						
3/15/2028	5,000	3.530	192,754.75	197,754.75	390,509.50		390,509.50	11,171,806.64	11,562,316.14	
9/15/2028			192,666.50	192,666.50						
3/15/2029	5,000	3.600	192,666.50	197,666.50	390,333.00		390,333.00	11,198,798.90	11,589,131.90	
9/15/2029			192,576.50	192,576.50						
3/15/2030	5,000	3.670	192,576.50	197,576.50	390,153.00		390,153.00	11,251,922.50	11,642,075.50	
9/15/2030			192,484.75	192,484.75						
3/15/2031	1,500,000	3.730	192,484.75	1,692,484.75	1,884,969.50		1,884,969.50	3,227,453.92	5,112,423.42	
9/15/2031			164,509.75	164,509.75						
3/15/2032	1,560,000	3.790	164,509.75	1,724,509.75	1,889,019.50		1,889,019.50	3,225,385.00	5,114,404.50	
9/15/2032			134,947.75	134,947.75						
3/15/2033	1,615,000	3.850	134,947.75	1,749,947.75	1,884,895.50		1,884,895.50	3,228,263.86	5,113,159.36	
9/15/2033			103,859.00	103,859.00						
3/15/2034	1,680,000	3.900	103,859.00	1,783,859.00	1,887,718.00		1,887,718.00	3,226,407.08	5,114,125.08	
9/15/2034			71,099.00	71,099.00						
3/15/2035	1,745,000	3.940	71,099.00	1,816,099.00	1,887,198.00		1,887,198.00	3,229,504.01	5,116,702.01	
9/15/2035			36,722.50	36,722.50						
3/15/2036	1,850,000	3.970	36,722.50	1,886,722.50	1,923,445.00		1,923,445.00	1,778,400.00	3,701,845.00	
TOTALS	10,000,000		5,395,160.67	15,395,160.67	15,395,160.67	0.00	15,395,160.67	139,377,436.53	154,772,597.20	0.13

PE%= 0.00% Estimated

AR%= 20.17%

1 MILL= 2,981,767

SCHOOL DISTRICT OF HAVERFORD TOWNSHIP											
SERIES OF 2020											
Total Issue Size : \$18,585,000						Table 3				Settled Dated	3/15/2020
1	2	3	4	5	6	7	8	9	10	11	12
Date	Principal	Rate	Interest	Semi-Annual Debt Service	Proposed Fiscal Year Debt Service	Less: State Aid	Less: Capitalized Interest	Proposed Local Effort	Existing Local Effort	Total Local Effort	Millage Equivalent
9/15/2020			355,587.50	355,587.50							
3/15/2021	5,000	2.610	355,587.50	360,587.50	716,175.00		(435,000.00)	281,175.00	11,385,100.51	11,666,275.51	0.09
9/15/2021			355,522.25	355,522.25							
3/15/2022	5,000	2.800	355,522.25	360,522.25	716,044.50		(405,000.00)	311,044.50	11,349,598.74	11,660,643.24	0.02
9/15/2022			355,452.25	355,452.25							
3/15/2023	5,000	2.880	355,452.25	360,452.25	715,904.50			715,904.50	11,380,870.14	12,096,774.64	0.14
9/15/2023			355,380.25	355,380.25							
3/15/2024	5,000	2.980	355,380.25	360,380.25	715,760.50			715,760.50	11,394,483.36	12,110,243.86	-0.01
9/15/2024			355,305.75	355,305.75							
3/15/2025	5,000	3.080	355,305.75	360,305.75	715,611.50			715,611.50	11,449,231.80	12,164,843.30	
9/15/2025			355,228.75	355,228.75							
3/15/2026	5,000	3.190	355,228.75	360,228.75	715,457.50			715,457.50	11,478,123.72	12,193,581.22	
9/15/2026			355,149.00	355,149.00							
3/15/2027	5,000	3.320	355,149.00	360,149.00	715,298.00			715,298.00	11,536,396.31	12,251,694.31	
9/15/2027			355,066.00	355,066.00							
3/15/2028	5,000	3.440	355,066.00	360,066.00	715,132.00			715,132.00	11,562,316.14	12,277,448.14	
9/15/2028			354,980.00	354,980.00							
3/15/2029	5,000	3.530	354,980.00	359,980.00	714,960.00			714,960.00	11,589,131.90	12,304,091.90	
9/15/2029			354,891.75	354,891.75							
3/15/2030	5,000	3.600	354,891.75	359,891.75	714,783.50			714,783.50	11,642,075.50	12,356,859.00	
9/15/2030			354,801.75	354,801.75							
3/15/2031	2,600,000	3.670	354,801.75	2,954,801.75	3,309,603.50			3,309,603.50	5,112,423.42	8,422,026.92	
9/15/2031			307,091.75	307,091.75							
3/15/2032	2,690,000	3.730	307,091.75	2,997,091.75	3,304,183.50			3,304,183.50	5,114,404.50	8,418,588.00	
9/15/2032			256,923.25	256,923.25							
3/15/2033	2,795,000	3.790	256,923.25	3,051,923.25	3,308,846.50			3,308,846.50	5,113,159.36	8,422,005.86	
9/15/2033			203,958.00	203,958.00							
3/15/2034	2,900,000	3.850	203,958.00	3,103,958.00	3,307,916.00			3,307,916.00	5,114,125.08	8,422,041.08	
9/15/2034			148,133.00	148,133.00							
3/15/2035	3,010,000	3.900	148,133.00	3,158,133.00	3,306,266.00			3,306,266.00	5,116,702.01	8,422,968.01	
9/15/2035			89,438.00	89,438.00							
3/15/2036	4,540,000	3.940	89,438.00	4,629,438.00	4,718,876.00			4,718,876.00	3,701,845.00	8,420,721.00	
TOTALS	18,585,000		9,825,818.50	28,410,818.50	28,410,818.50	0.00	(840,000.00)	27,570,818.50	144,039,987.48	171,610,805.98	0.24
PE%=	0.00% Estimated										
AR%=	20.17%										
1 MILL=	2,981,767										

THE SCHOOL DISTRICT OF HAVERFORD TOWNSHIP

Delaware County, Pennsylvania

RESOLUTION

WHEREAS, the Board of School Directors of this School District has determined that certain new facilities may be required for the use of the pupils of this School District and has authorized certain preliminary steps to be taken with regard to a new school project, consisting of planning, designing, constructing, furnishing and equipping a new Lynnewood Elementary School (herein “New Elementary Project”); and

WHEREAS, the Pennsylvania Public School Code of 1949, as amended (the "School Code"), including amendments made pursuant to Act 34 of the Session of 1973 of the General Assembly ("Act 34"), requires, inter alia, that a public hearing be held prior to the construction, the entering into a contract to construct or the entering into a contract to lease a new school building or a substantial addition to an existing school building; and

WHEREAS, in accordance with the requirements of Act 34 and the School Code, a public hearing is required to be held in connection with the New Elementary Project; and

WHEREAS, the School Code requires that a notice of such public hearing under Act 34 be advertised at least twenty (20) days prior to such hearing and that certain information be made available to persons in attendance at such hearing and that certain financial information be available for inspection by interested citizens during the period of such advertisement; and

WHEREAS, the Board of School Directors desires to authorize its Solicitor, Business Manager, Architect, and Underwriter and others to take certain actions with respect to the New Elementary Project; and

WHEREAS, the School District wishes to take certain action with respect to the New Elementary Project, and to comply with Act 34 and the School Code.

NOW, THEREFORE, BE IT RESOLVED, by the Board of School Directors of The School District of Haverford Township, Delaware County, Pennsylvania, as follows:

1. This School District hereby authorizes a public hearing to be held in accordance with and in compliance with the requirements of Act 34 and the School Code, in The Oakmont School Central Administration, Public Board Room, 50 East Eagle Road, Havertown, PA 19083 on Wednesday, January 9, 2019 beginning at **6:00 p.m.**, prevailing time.

2. The Secretary of the Board of School Directors is hereby authorized and directed to advertise the Notice of Public Hearing set forth in Exhibit "A" which is attached hereto and made a part hereof in accordance with the requirements thereof and of Act 34 and the School Code.

3. This School District hereby authorizes a maximum project cost of \$38,033,458 and maximum building construction cost of \$25,583,941 for the project.

4. The Board of School Directors of this School District hereby authorizes and directs that a description of the New Elementary Project be prepared and hereby directs the Secretary of the Board of School Directors of the School District to make copies of such description of the project available to interested citizens requesting the same at the place and during the reasonable hours stated in the Notice of Public Hearing, after approval thereof by the Solicitor of this School

District, and also to make such description available to the public media as required by Act 34, the School Code and the Regulations of the Pennsylvania Department of Education.

5. This School District hereby authorizes Justin M. O'Donoghue, Esquire, Blue Bell, Pennsylvania, Counsel of this School District, to perform such acts on behalf of this School District as may be necessary in connection with the New Elementary Project.

6. This School District hereby authorizes the architectural firm of KCBA Architects, Inc., Project Architect for the New Elementary Project, to perform such acts on behalf of the School District as may be necessary in connection with the New Elementary Project.

7. This School District hereby authorizes the firm of Public Financial Management, Incorporated, Harrisburg, Pennsylvania, as Financial Advisor, to perform such acts on behalf of the School District as may be necessary in connection with the New Elementary Project.

8. This School District further authorizes the engagement of a court stenographer to transcribe the Act 34 hearing proceedings, consistent with the intent of this Resolution.

9. This School District further authorizes its officers, administration, solicitor, investment counselor and project architect to take any and all necessary actions in order to effectuate the intent and purposes of this Resolution.

DULY ADOPTED, by the Board of School Directors of this School District, this 6th Day of December 2018.

THE SCHOOL DISTRICT OF
HAVERFORD TOWNSHIP
Delaware County, Pennsylvania

Attest: _____
Board Secretary
(SEAL)

By: _____
Board President

EXHIBIT “A”

CERTIFICATE

I, the undersigned, Secretary of the Board of School Directors of The School District of Haverford Township, Delaware County, Pennsylvania (the "School District"), hereby certify: That the foregoing is a true and correct copy of the Resolution which was duly adopted by affirmative vote of a majority of all members of the Board of School Directors of the School District duly convened and held according to law on December 6, 2018, at which meeting a quorum was present; that said Resolution duly has been recorded in the minutes of the Board of School Directors of the School District; and that said Resolution is in full force and effect, without amendment, alteration or repeal, as of the date of this Certificate.

I further certify that the Board of School Directors of the School District meets the advance notice requirements of the Sunshine Act, Act No. 1998-93 of the General Assembly of the Commonwealth of Pennsylvania, approved October 15, 1998, by advertising said meeting and posting prominently a notice of said meeting at the principal office of the School District or at the public building in which said meeting was held, all in accordance with such Act.

IN WITNESS WHEREOF, I set my hand and affix the official seal of the School District, this 6th day of December 2018.

(SEAL)

Robert Riegel
Board Secretary

**BOARD OF SCHOOL DIRECTORS OF THE
SCHOOL DISTRICT OF HAVERFORD TOWNSHIP**

**NOTICE OF PUBLIC HEARING IN ACCORDANCE WITH
ACT 34 AND PLANCON D**

**TO: ALL RESIDENTS OF THE SCHOOL DISTRICT OF HAVERFORD
TOWNSHIP**

Please take notice that a public hearing will be held in The Oakmont School Central Administration, Public Board Room, 50 East Eagle Road, Havertown, PA 19083 on Wednesday, January 9, 2019 beginning at 6:00 p.m., prevailing time, for the purpose of reviewing all relevant matters relating to the planning, designing, constructing, furnishing and equipping of a new Lynnewood Elementary School to be located in Haverford Township (herein "New Elementary Project").

A description of the New Elementary Project, including facts with respect to the educational, physical, administrative, budgetary and fiscal matters related to the Project, will be presented and will be available for consideration at such public hearing, and from December 7, 2018, until the public hearing, during regular business hours (8:00 A.M. to 4:00 P.M.) of the School District Administration offices located at 50 East Eagle Road, Havertown, PA 19083.

The Board of School Directors of the School District by Resolution duly adopted has authorized Maximum Project Cost of \$38,033,458 and a Maximum Building Construction Cost of \$25,583,941.

This public hearing is being held with respect to the New Elementary Project, pursuant to the requirements of the Pennsylvania Public School Code of 1949, approved March 10, 1949, as amended and supplemented, including amendments made pursuant to Act 34 of the Session of 1973 of the General Assembly.

Residents and employees of the School District may submit written testimony regarding the proposed project. Such written testimony should be mailed or delivered to:

Robert Riegel, Board Secretary
The School District of Haverford Township
50 East Eagle Road
Havertown, PA 19083

The written testimony shall include the name and address of the person submitting the request, identification of the sender as a District resident or employee, the name of the project of concern and a description of the support or objection to the Project.

To be of most benefit to the Board, a statement of objection should be followed by a viable alternative solution.

Any and all interested persons may further appear at and attend the public hearing and will be given reasonable opportunity to be heard at such public hearing. Sign-in sheets will be available at the Public Board Room at the time of the hearing. Counsel will call upon individuals signing such sign-in sheets in the order in which they appear. Testimony will be limited to five minutes per interested person. No person shall be allowed to speak a second time until all parties testify the first time have been heard. The Board will allow public comment and/or questioning until the conclusion of the hearing, but no later than 12:00 Midnight when the Board reserves the right to terminate the public hearing.

Written comments regarding the Project will also be received by the Secretary of the Board of School Directors at the School District's administrative offices until 4:00 P.M., February 8, 2019.

BY THE ORDER OF THE BOARD OF SCHOOL DIRECTORS

THE SCHOOL DISTRICT OF
HAVERFORD TOWNSHIP
Delaware County, Pennsylvania

Robert Riegel
Secretary of the Board of
School Directors